

ABSTRACT OF THE DISCLOSURE

5 An arrangement is provided for detecting the  
occurrence of an islanding condition in the connection of  
a distributed power generation source to an electrical  
power system or utility. In accordance with the present  
invention, a voltage or current signal is injected into  
the system, and the resulting system impedance is  
determined. The resulting determination is used as an  
indicator of the islanding condition. The detection  
10 arrangement allows the detection of islanding conditions  
even when the load is well matched to the generated  
power.